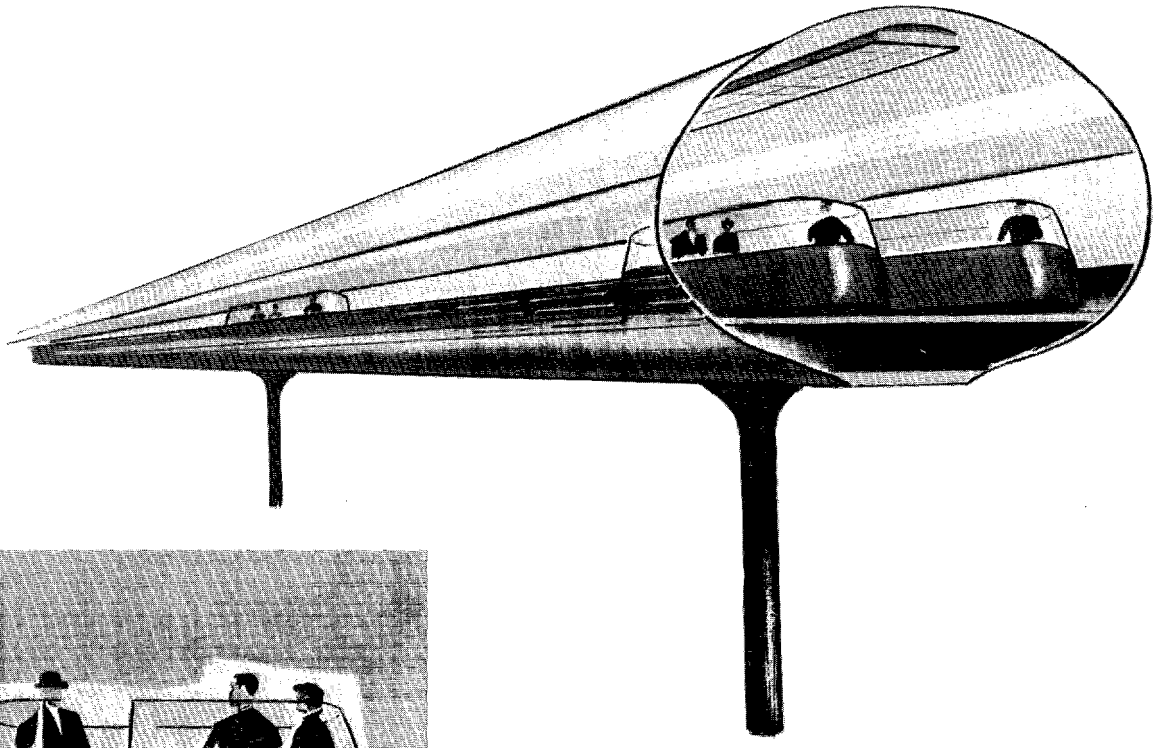
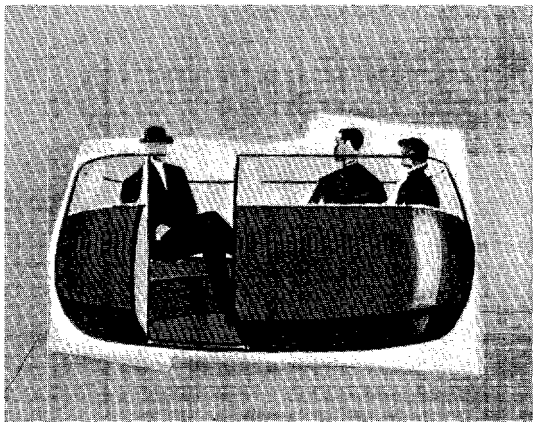
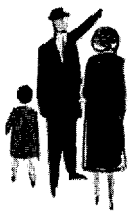
CARVEYOR

PASSENGER CONVEYOR SYSTEM

CONTINUOUS SERVICE, NO-WAITING
MINI-TRANSPORTATION SYSTEM







TRANSPORTATION FOR THE 1970's

- Airport Terminals
- Central Business Districts
- Major Activity Centers
- Special Purpose Applications

Transport Systems
Industrial Products Division
THE GOODYEAR TIRE & RUBBER CO.
Akron, Ohio 44316

The Need For Continuous Transportation

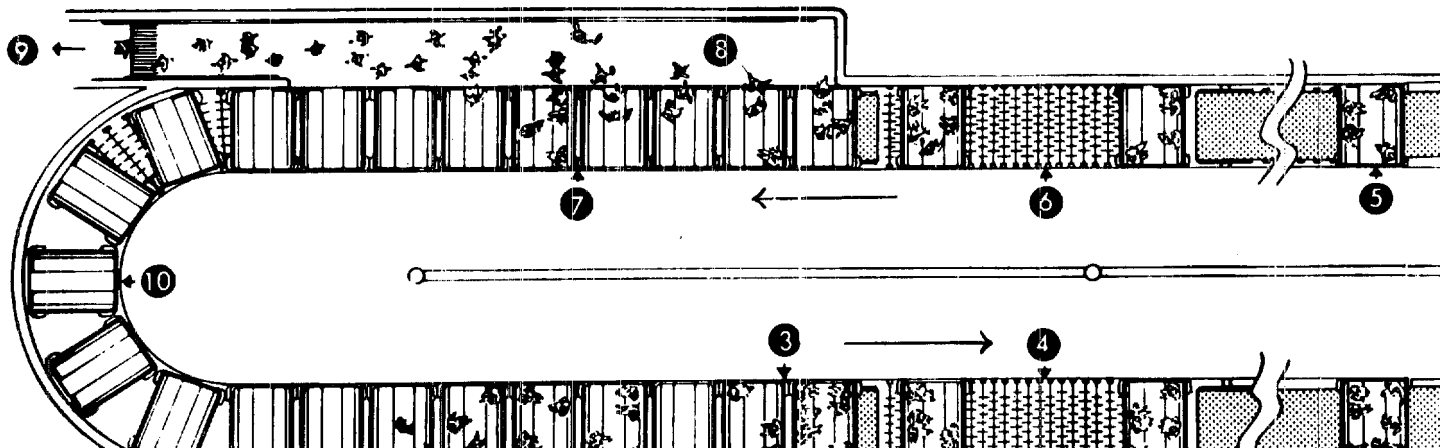
People have always wanted to go places and do things on a time schedule of their own choosing. Once, this was a luxury. Today, it is almost a necessity.

Nowhere is this more evident than in the nation's major activity centers, airline terminals and central business districts. Existing forms of transportation, such as cars and buses, have become obsolete in meeting the minidistance transportation needs of increasing numbers of people who need to move about in small geographic areas.

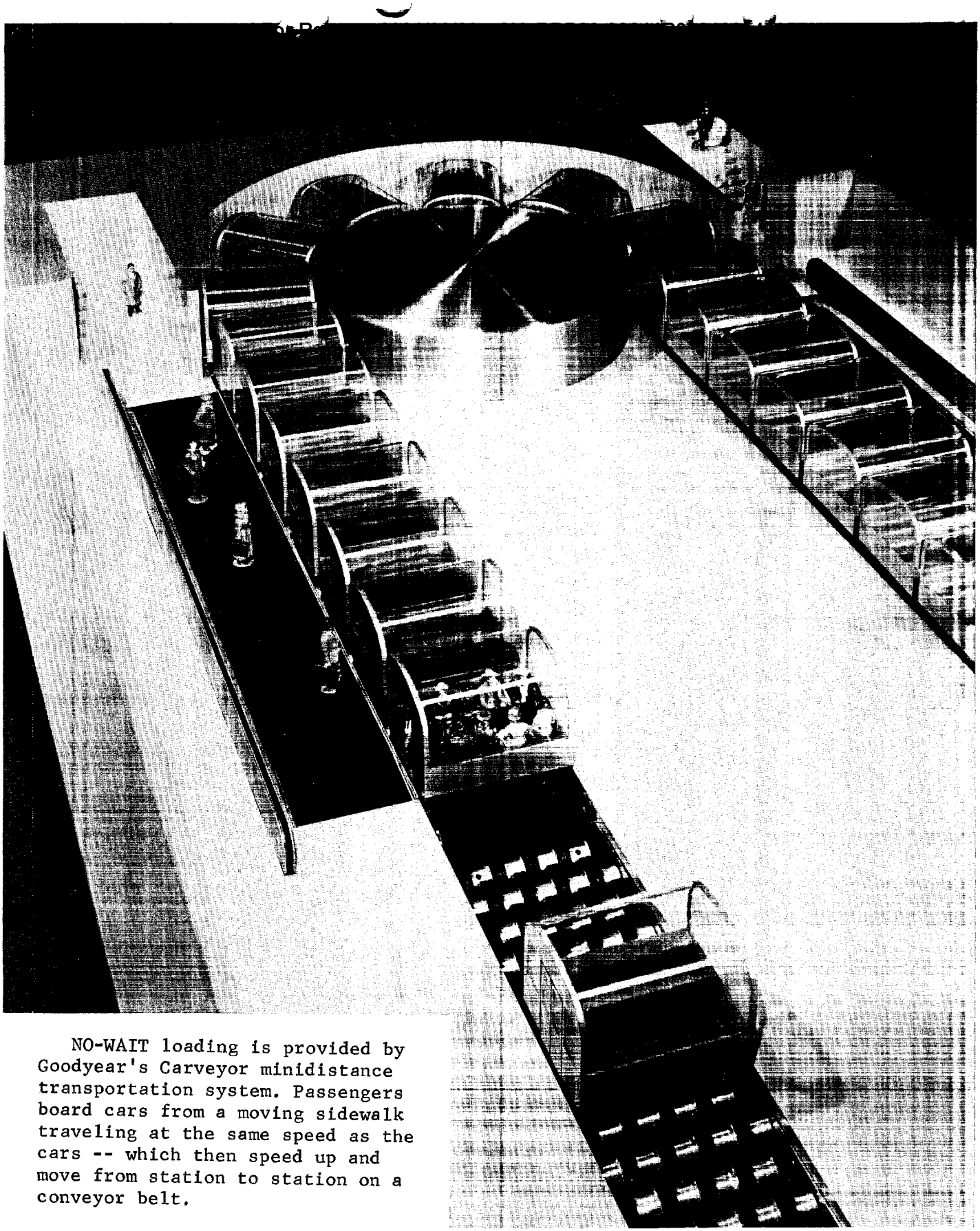
Periodic transportation — vehicles traveling on a time schedule with passenger waiting time between pickups — causes rapid crowd buildups at boarding stations, delays in getting to destinations and general confusion in movement within the center. To overcome these traffic flow obstacles, conveyances that provide continuous and controlled movement of people must be developed.

Toward this goal, Goodyear developed the CARVEYOR passenger conveyor system. Featuring a row of small cars that move continuously on a conveyor belt, CARVEYOR provides instant no-wait transportation, available when needed. This type of service eliminates crowd buildups at boarding stations, permits people to move quickly, comfortably and on-schedule to destinations and, in some instances, eliminates completely the need for road transportation for travel over distances of up to several miles. CARVEYOR is a bold and imaginative step toward continuous transportation, the answer to minidistance transportation challenges in the 1970s.

How The Passenger Conveyor Works



1. **Entrance to moving passenger loading platform.**
2. **Passenger loading platform is rubber conveyor belt moving at 1½ mph speed.**
3. **Car loading belt moves empty passenger cars at same 1½ mph speed of loading platform.**
4. **Accelerator Wheels with pneumatic tires, quickly speed loaded passenger cars from 1½ mph to 15 mph.**
5. **Main line conveyor belts transpo between stations.**
6. **Decelerator wheels slow down sp 15 mph to 1½ mph.**
7. **Car unloading belt moves cars a form at 1½ mph speed.**
8. **Passengers step from cars onto same 1½ mph speed, exit at far en**



NO-WAIT loading is provided by Goodyear's Carveyor minidistance transportation system. Passengers board cars from a moving sidewalk traveling at the same speed as the cars -- which then speed up and move from station to station on a conveyor belt.

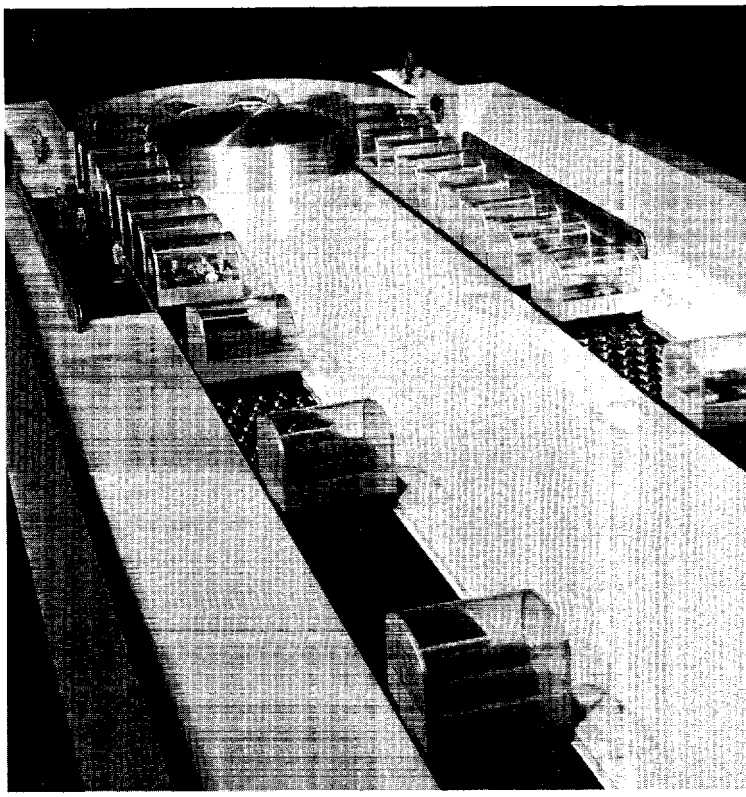
Riding On A Carveyor

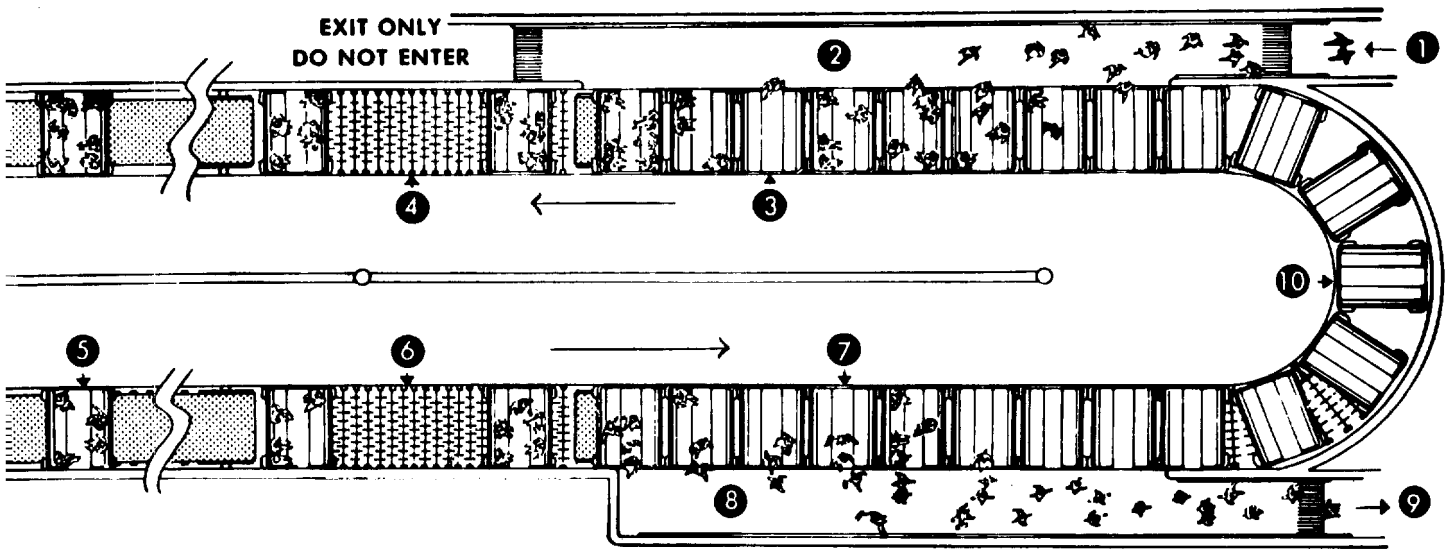
Travel by CARVEYOR is easy and enjoyable. Passengers enter a station and step onto a loading platform belt that moves at about half the average walking speed. Traveling at the same speed on a parallel conveyor belt is a "bumper-to-bumper" row of small cars. Passenger capacity of the cars---from two to 10 seats—depends on the desired capacity of the system.

As each car arrives at the loading platform its doors open automatically. As the cars move alongside the platform passengers step into the cars (The procedure is the same as walking from one room to another since there is no gap between the car and the loading belt.) As cars near the end of the loading platform their doors close automatically.

As the cars depart the station they pass over a bank of acceleration wheels that gradually increase car speed, usually to between 10 and 15 miles per hour, and space the cars at regular intervals. The cars travel between stations on a conveyor belt. Since the belt controls movement, the cars cannot collide or stall. The ride is pleasant because the motorless cars don't make noise or emit fumes.

As the cars approach the next station they move over a bank of decelerator wheels that slow and synchronize car speed with unloading platform belt speed. Car doors open automatically for passenger exit. The cars then move on to the loading platform where the cycle begins again.





-t loaded passenger cars at 15 mph

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longside passenger unloading plat-

nloading conveyor belt moving at
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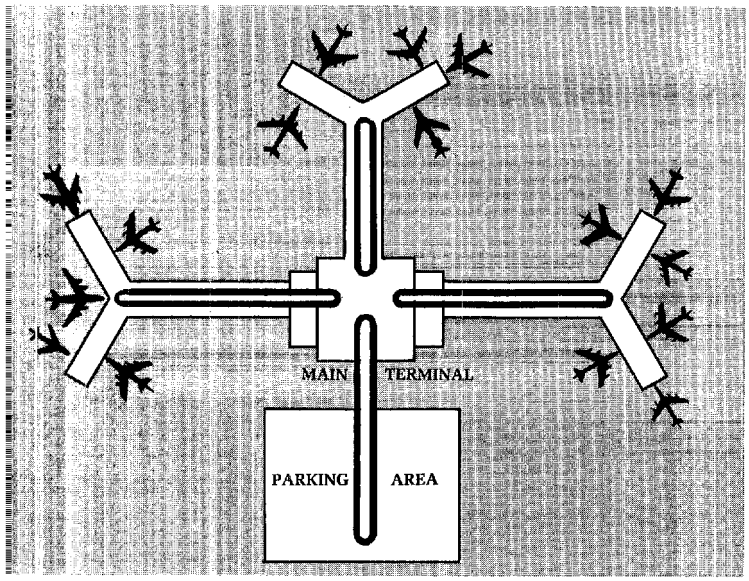
9. **Exit from moving passenger unloading platform.**
10. **Empty cars are turned around on banks of powered wheels equipped with pneumatic tires. Car doors open and close automatically as they enter and leave the loading platforms. After turning, the cars repeat the loading, accelerating, decelerating and unloading cycles as they return to the opposite station on the endless track.**



Airport Terminals

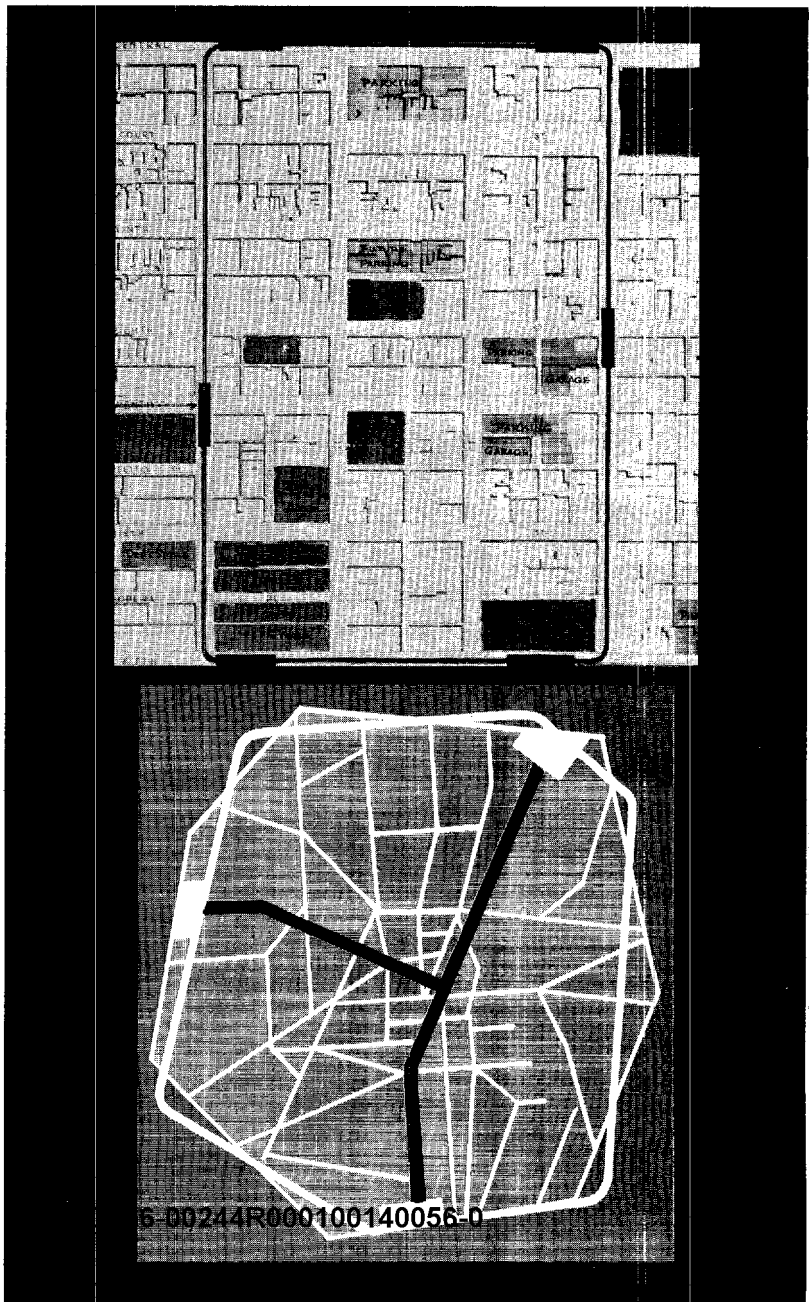
As our sprawling airport terminals become even larger, creating greater distances between parking areas, terminal buildings and airplane gate positions, the need for quick, convenient and controlled movement of people becomes increasingly important. The CARVEYOR meets this need, providing instantly available fast and comfortable transportation between various points in the terminal complex. CARVEYOR systems are designed to move people distances ranging from about 1,000 feet to several miles. Where lesser distances are involved, Goodyear SPEEDWALK and SPEEDRAMP moving sidewalks provide the same type of no-wait, quick transport service. Together, these Goodyear Transport Systems give airport terminals the most efficient ground transportation service available.

Center City And Major Activity Centers

Many cities are revitalizing and rebuilding downtown areas. In other cities, major activity centers are taking form away from the central core area. In both situations there is a vital need for continuous circulation of people to and from and within the area. CARVEYOR provides this service with instantly available transport facilities that move people to their destinations on time and in perfect comfort.

CARVEYOR systems can be designed for use above or below ground. Overhead systems can blend esthetically with their surroundings. Closed cars can be used on an open belt system or open-top cars can run through an enclosed tube. The system can operate as a shuttle or run over a circuitous route with a number of stations along the way.

CARVEYOR, as a Goodyear Transport System, is new. But components used in its manufacture have been in use in industry for many years, providing reliable, safe and economical service in a variety of applications.



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